

PAT-NO: JP356103131A  
DOCUMENT-IDENTIFIER: JP 56103131 A  
TITLE: PREPARATION OF CARBOXYLIC ACID CHLORIDE  
  
PUBN-DATE: August 18, 1981

**INVENTOR-INFORMATION:**

NAME	COUNTRY
NAGATA, TERUYUKI	
TAMAOKI, AKIHIRO	
WADA, MASARU	

**ASSIGNEE-INFORMATION:**

NAME	COUNTRY
MITSUI TOATSU CHEM INC	N/A

APPL-NO: JP55005261  
APPL-DATE: January 22, 1980

INT-CL (IPC): C07C051/60 , C07C055/36 , C07C063/22

US-CL-CURRENT: 562/857

**ABSTRACT:**

**PURPOSE:** To obtain a carboxylic acid chloride in high yield and quality, by the reaction of an organic carboxylic acid (anhydride) with phosgene fed at such a rate as not to detect the unreacted phosgene in the waste gas, to the end point of the reaction.

**CONSTITUTION:** An organic carboxylic acid (anhydride), e.g. phthalic, tetrahydrophthalic or succinic acid, is reacted with phosgene in the presence of a catalyst, e.g. dimethylformamide, at 50-120°C, preferably 70-90°C, to give the corresponding carboxylic acid chloride. Phosgene is fed at such a rate as not to detect the unreacted phosgene essentially in a waste gas, almost to the end point of the reaction.